

## Survey by Car Method

Another wildlife research method conducted within the NGR area is survey by car methods. This method was conducted to identify the active wildlife during night time. Before starting the survey, suitable access road as the main road for the night survey need to be identify first. The survey distance has been assigned as far as 12 km for each main road. As for this method, surveys were conducted 3 times for each quarter and starting at 8 pm until finished.

Five (5) routes or main roads were identified within the NGR area are suitable for wildlife survey by car. Each main road will be conducted through night survey as far as 12 km starting at 8 pm until finished. The overall night survey distance for the whole year of 2015 is approximately 120 km. The below table shows the wildlife data index recorded through night survey method.

(a) Wildlife index (Index= $N \frac{\text{Number of wildlife detected}}{\text{Distance survey}} \times 100$ )

(b) Wildlife index (Index= $N \frac{\text{Number of wildlife detected}}{\text{Total detection of all species}} \times 100$ )

Table 1. Wildlife Index percentages recorded through “night survey by car methods” in the year 2015

List of NGR wildlife species			Quarter 1 (Jan-march2015)	Quarter 2 (Apr-june2015)	Quarter 3 (July-Sept2015)	Quarter 4 (Oct-Dec2015)	sub total	Total distance Night survey for year 2015 (KM)	Index =N/Distance	Index (%) =N/total detection of all species
No	Species	Saintific name								
1	Common-Palm Civet	<i>Paradoxurus hermaphroditus</i>	3	1	0	1	5	120	4.17	10.2
2	Thomas flying squirrel	<i>Aeromys thomasi</i>	2	1	1	0	4	120	3.33	8.2
3	Slow loris	<i>Nycticebus coucang</i>	1	0	0	0	1	120	0.83	2.0
4	Masked-palm civet	<i>Paguma larvata</i>	0	0	1	1	2	120	1.67	4.1
5	Bear cat	Arctictis binturong	0	1	0		1	120	0.83	2.0
6	Common porcupine	<i>Hystrix brachyura</i>	0	0	0	3	3	120	2.50	6.1
7	Leopard cat	<i>Felis bengalensis</i>	0	0	0	1	1	120	0.83	2.0
8	Bearded Pig	<i>sus barbatus</i>	0	0	0	15	15	120	12.50	30.6
9	Lesser Mousedeer	Tragulus javanicus	0	0	0	1	1	120	0.83	2.0
10	Malay Civet	<i>Veveva tangalunga</i>	0	0	0	2	2	120	1.67	4.1
11	Sambar Deer	<i>cervus unicolor</i>	0	0	0	1	1	120	0.83	2.0
12	Bornean Elephant	<i>Elephas maximus</i>	0	0	0	9	9	120	7.50	18.4
13	Red Giant Flying Squirrel	<i>Petaurista petaurista</i>	0	0	0	4	4	120	3.33	8.2
		Sub Total	6	3	2	38	49	120	40.83	100.0

## Summary

Based on the data acquired, 13 wildlife species recorded within NGR where 4 of the species is the target species for NGR area. The four (4) wildlife species consists of **Sambar deer, Bornean Elephant, Bearded pig, Binturong or Bear cat.**

The recorded wildlife species that have the highest percentage Index is bearded pig with approximately 30.6%, which is the highest recorded species in quarter 4.

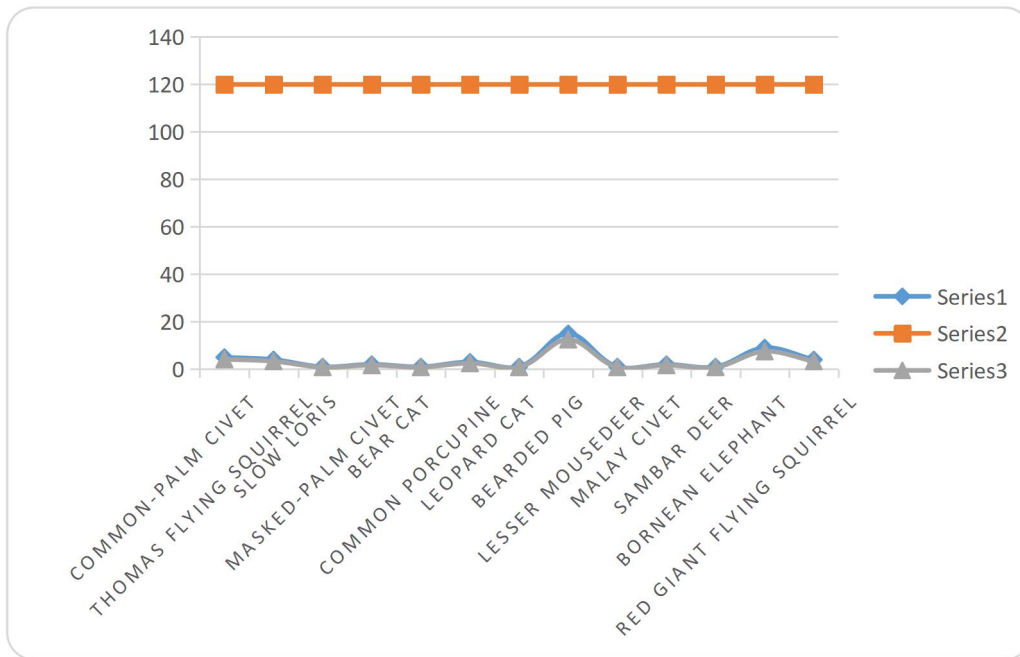


Figure 1. Chart of wildlife index record through Survey by car  
 Wildlife index (Index=N (Number of wildlife detected X 100) / Survey distance)

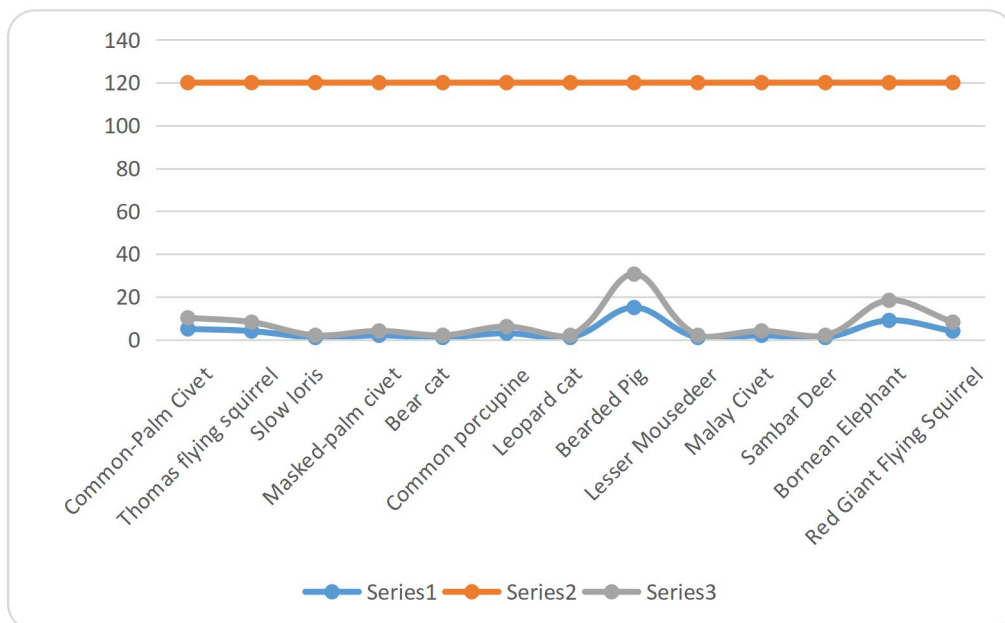


Figure 2. Chart of Wildlife Index=N (Number of wildlife detected X 100) / Total detection of all species